



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/525,696	03/14/2000	Asawaree P. Kalavade	Case 4	8570

7590 05/20/2003

Docket Administrator RM 3C 51
Lucent Technologies Inc
600 Mountain Avenue
PO Box 636
Murray Hill, NJ 07974-0636

EXAMINER

WAXMAN, ANDREW

ART UNIT	PAPER NUMBER
----------	--------------

2662

DATE MAILED: 05/20/2003

2

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/525,696

Applicant(s)

KALAVADE, ASAWAREE, P.

Examiner

Andrew M Waxman

Art Unit

2662

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-40 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-40 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☒ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) ____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

DETAILED ACTION

Claim Objections

Claim 29 is objected to because of the following informalities: there are two claims numbered 29. Appropriate correction is required.

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-40 are rejected under 35 U.S.C. 103(a) as being unpatentable over Li (US Patent No. 6,549,587) in view of Amrany et al. (US Patent No. 6,067,316) hereinafter referred to as Amrany.

Regarding claims 28, 29a, 37, and 38, Li discloses an apparatus including means for decoding a plurality of streamed packets (84 and 96), generating a PCM stream. See col. 12 lines 55-57 and col. 13 lines 17-23.

Li does not disclose means for filtering the signal stream.

Art Unit: 2662

Amrany discloses a low-pass filter (Fig. 4 '150') for filtering a signal stream. See Col. 1 lines 40-47.

At the time the invention was made it would have been obvious to one of ordinary skill in the art to include the low-pass filter, as disclosed by Amrany, in the invention as disclosed by Li.

One of ordinary skill in the art would have been motivated to do this in order to protect the incident telephone circuits from unwanted high frequencies. See Amrany Col. 1 lines 40-47.

Regarding claims 29b and 39, it is inherent to Li in view of Amrany that the low-pass filter prevents aliasing.

Regarding claim 30, Li further discloses an interface ('60b' see *Li* col. 14 line 24) for transmitting the PCM signal over a circuit switched call connection (see *Li* col. 13 lines 17-23).

Regarding claim 31, Li further discloses the packet network being an IP network. See col. 6 lines 55-61.

Art Unit: 2662

Regarding claim 32, Li further discloses the packet network being the internet. See col. 6 line 61.

Regarding claims 33 and 34, Li further discloses the PCM signal being a media and furthermore an audio signal stream (voice).

Regarding claims 35 and 36, Li in view of Amrany discloses all of the limitations as recited above with respect to claim 28.

Li in view of Amrany does not expressly disclose the media signal stream being a video signal stream or streaming text.

At the time the invention was made it would have been obvious to one of ordinary skill in the art to include media signal streams such as streaming video and text in the invention as disclosed by Li in view of Amrany.

One of ordinary skill in the art would have been motivated to do this to improve the range of implementation of the invention, thereby enhancing the marketability of the invention.

Regarding claim 40, Li further discloses implementing the method, as disclosed in claim 1, on a programmable digital signal processor. See col. 3 lines 64-67, and Fig. 2.

Regarding claims 1 and 2, Li discloses all of the limitations as recited above with respect to claims 28 and 29. Since the apparatus (claims 28 and 29) implements the method (claims 1 and 2), the method recited in claims 1 are inherent to Li.

Regarding claim 3, Li further discloses rate converting the PCM signal stream. See col. 28 lines 12-27.

Regarding claim 4, Li further discloses transmitting the PCM signal over a circuit switched call connection (see *Li* col. 13 lines 17-23).

Regarding claim 5, Li further discloses the circuit-switched network being a cellular network. See col. 6 lines 55-61.

Art Unit: 2662

Regarding claim 6, Li further discloses the packet network being an IP network. See col. 6 lines 55-61.

Regarding claims 7 and 8, Li further discloses the PCM signal being a media and furthermore an audio signal stream (voice).

Regarding claims 9 and 10, Li in view of Amrany discloses all of the limitations as recited above with respect to claim 28.

Li in view of Amrany does not expressly disclose the media signal stream being a video signal stream or streaming text.

At the time the invention was made it would have been obvious to one of ordinary skill in the art to include media signal streams such as streaming video and text in the invention as disclosed by Li in view of Amrany.

One of ordinary skill in the art would have been motivated to do this to improve the range of implementation of the invention, thereby enhancing the marketability of the invention.

Art Unit: 2662

Regarding claim 11, Li further discloses the packet network being the internet. See col. 6 line 61.

Regarding claims 18, 21, and 25, Li discloses an apparatus including means for receiving a plurality of streamed packets (Fig. 6 '62'), means for decoding the packets (84 and 96), and means for converting the bit rate of the signal into one that is compatible with a circuit switched call connection (see col. 12 lines 55-57, col. 13 lines 17-23, and col. 28 lines 12-27).

Li does not disclose means for filtering the signal stream.

Amrany discloses a low-pass filter (Fig. 4 '150') for filtering a signal stream. See Col. 1 lines 40-47.

At the time the invention was made it would have been obvious to one of ordinary skill in the art to include the low-pass filter, as disclosed by Amrany, in the invention as disclosed by Li.

One of ordinary skill in the art would have been motivated to do this in order to protect the incident telephone circuits from unwanted high frequencies. See Amrany Col. 1 lines 40-47.

Art Unit: 2662

Regarding claims 19 and 23, Li further discloses the call connection being provided over a wireless network. See col. 6 lines 55-61.

Regarding claims 20 and 24, Li further discloses the call connection being provided over a cellular network. See col. 6 lines 55-61.

Regarding claim 22, Li further discloses the bit rate of the signal being 64 kbps. See col. 13 lines 17-23.

Regarding claim 26, it is inherent to Li in view of Amrany that the low-pass filter prevents aliasing.

Regarding claims 12-14, Li discloses all of the limitations as recited above with respect to claims 18-20. Since the apparatus (claim 28) implements the method (claim 1), the method recited in claims 1 are inherent to Li.

Art Unit: 2662

Regarding claims 15-17, Li further discloses the cellular network being a TDMA, CDMA, or GSM network. See col. 6 lines 55-61.

Regarding claim 27, Li further discloses the implementation of the method as recited in claim 12, on a programmable digital signal processor. See col. 3 lines 64-67, and Fig. 2.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Huang discloses a method and apparatus for encoding and decoding frames of voice model parameters into a low bit rate digital voice message.

Zhang discloses a system and method for transporting a compressed video and data bit stream over a communications channel.

Neubauer discloses a B-channel synchronization for G 723.1 vocoding.

Jones discloses a voice over internet protocol telephone system and method.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew M Waxman whose telephone number is (703) 305-8086.

The examiner can normally be reached on 9:00 - 5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hassan Kizou can be reached on (703) 305-4744. The fax phone numbers for the

Art Unit: 2662

organization where this application or proceeding is assigned are (703) 872-9314 for regular communications and (703) 872-9314 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-4700.

Andrew M. Waxman
May 7, 2003



HASSAN KIZOU
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600